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## Experiences With Intel Knights Landing, OmniPath and Slurm

*Wednesday 26 April 2017 14:55 (25 minutes)*

Brookhaven Lab recently acquired an Intel Knight's Landing (KNL) cluster consisting of 144 nodes connected with a dual-rail OmniPath (OPA) fabric. We will detail our experiences integrating this cluster into our environment, testing the performance and debugging issues relating to the fabric and hardware. Details about the integration with the batch system (Slurm) and performance issues found with different kernels will be discussed, as well as some results from scientific users of the system.

### Length of talk (minutes)

20

### Scheduling constraints / preferences

I'm leaving early Friday morning

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